

10/593969

IAPS Rec'd PCT/PTO 22 SEP 2006

PATENT

Customer No. 22,852

Attorney Docket No. 09952.0076

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                                     |   |                                  |
|-------------------------------------|---|----------------------------------|
| U.S. National Phase Application of: | ) |                                  |
| International Application No.:      | ) |                                  |
| PCT/IB2004/000849                   | ) |                                  |
|                                     | ) |                                  |
| Inventors: Lorenzo MAGNONE et al.   | ) |                                  |
|                                     | ) | Group Art Unit: Not Yet Assigned |
| Serial No.: Not Yet Assigned        | ) |                                  |
|                                     | ) |                                  |
| Filed: September 22, 2006           | ) |                                  |
|                                     | ) | Examiner: Not Yet Assigned       |
| For: A SYSTEM AND METHOD FOR        | ) |                                  |
| THE QUALITY STATUS                  | ) |                                  |
| ANALYSIS OF AN ACCESS               | ) |                                  |
| NETWORK SUPPORTING                  | ) |                                  |
| BROADBAND                           | ) |                                  |
| TELECOMMUNICATION                   | ) |                                  |
| SERVICES                            | ) |                                  |

**MAIL STOP PCT**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO/SB/08 and cited in the enclosed international search report. Copies of the listed foreign patent documents and non patent literature document are attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO/SB/08 and indicate that they were considered by making an appropriate notation on this form.

This Information Disclosure Statement is being filed with the above-referenced application.


This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: September 22, 2006

By:   
Ernest F. Chapman  
Reg. No. 25,961

Enclosures  
EFC/FPD/gah

|   |   |            |   |                          |  |
|---|---|------------|---|--------------------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |            |   | <b>Complete if Known</b> |  |
|   |   |            |   | Application Number       |  |
|   |   |            |   | Filing Date              |  |
|   |   |            |   | First Named Inventor     |  |
|   |   |            |   | Art Unit                 |  |
|   |   |            |   | Examiner Name            |  |
| Sheet   | 1 | of         | 1 | Attorney Docket Number   |  |
|   |   | 09952.0076 |   |                          |  |

| U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS |                          |  |  |  |   |
|---|--------------------------|--|--|--|---|
| Examiner<br>Initials                                | Cite<br>No. <sup>1</sup> | Document Number                          | Issue or<br>Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|   |                          | Number-Kind Code <sup>2</sup> (if known) |  |  |   |
|   |                          | US-6,556,659 A1                          | 04-29-2003                                 | Bowman-Amuah                                       |   |
|   |                          | US-2003/0126256 A1                       | 07-03-2003                                 | Cruickshank, III et al.                            |   |
|   |                          | US-6,266,395 B1                          | 07-24-2001                                 | Liu et al.   |   |
|   |                          | US-                                      |  |  |   |
|   |                          | US-                                      |  |  |   |
|   |                          | US-                                      |  |  |   |
|   |                          |  |  |  |   |

**Note:** Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

| FOREIGN PATENT DOCUMENTS |                          |   |                                |   |  |                          |
|--------------------------|--------------------------|---|--------------------------------|---|--|--------------------------|
| Examiner<br>Initials     | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document    | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | Translation <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |   |  |                          |
|                          |                          | WO-01/13609 A1  | 02-22-2001                     | BELL-SOUTH<br>INTELLECTUAL<br>PROPERTY<br>CORPORATION |  |                          |
|                          |                          |   |                                |   |  |                          |
|                          |                          |   |                                |   |  |                          |
|                          |                          |   |                                |   |  |                          |

| NON PATENT LITERATURE DOCUMENTS |                          |   |                          |
|---------------------------------|--------------------------|---|--------------------------|
| Examiner<br>Initials            | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item<br>(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),<br>publisher, city and/or country where published. | Translation <sup>6</sup> |
|                                 |                          | "SPECTRUM MANAGEMENT FOR LOOP TRANSMISSION SYSTEMS"; American National Standard for<br>Telecommunications; Issue 2, ANSI T1E1.4, pages I, ii, iii, and 62, (2002)   |                          |
|                                 |                          |   |                          |
|                                 |                          |   |                          |
|                                 |                          |   |                          |
|                                 |                          |   |                          |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.